

What is claimed is:

1. A rotor assembly comprising:

a housing having an open end and a closed end, the closed end of the housing being formed with a raised portion in its central location; and

5 a hub mounting on the closed end of the housing and covering the housing except for the raised portion.

2. A rotor assembly according to claim 1, wherein a height of the raised portion is substantially the same as a thickness of the hub positioned on the closed end of the housing.

10

3. A rotor assembly according to claim 1, wherein the housing is cup-shaped.

4. A rotor assembly according to claim 1, wherein the raised portion is cup-shaped.

15

5. A rotor assembly according to claim 1, wherein the hub is ring-shaped and has an opening.

6. A rotor assembly according to claim 1, wherein the housing is formed with a plurality of apertures in the raised portion.

20

7. A rotor assembly according to claim 1, wherein the formation of the raised portion creates a stepped closed end constituted by a top portion, a shoulder and a periphery portion.

8. A rotor assembly according to claim 7, wherein the hub is fixed on the periphery portion of the housing by way of adhesion.

25

9. A rotor assembly according to claim 7, wherein the hub is fixed on the periphery portion of the housing through a fastener.

30

10. A rotor assembly according to claim 9, wherein the fastener is a clasp.

11. A rotor assembly according to claim 9, wherein the hub and the fastener are integrally formed by injection molding.

12. A rotor assembly according to claim 1, wherein the housing is made of metal.

13. A rotor assembly comprising:

a cup-shaped housing having an open end and an opposed closed end, the closed end of the housing being formed with a raised portion in its central location, and the formation of the raised portion creating a stepped closed end comprising a top portion, a shoulder and a periphery portion; and

a hub having a position section and an extended section, the hub mounting on the cup-shaped housing through the position section covering the periphery portion of the stepped closed end.

14. A rotor assembly according to claim 13, wherein a distance between the top portion and the periphery portion is substantially the same as a thickness of the position section of the hub.

15. A rotor assembly according to claim 13, wherein the housing is formed with a plurality of apertures in the raised portion.

16. A rotor assembly according to claim 13, wherein the hub is fixed on the periphery portion of the housing by way of adhesion.

17. A rotor assembly according to claim 13, wherein the hub is fixed on the periphery portion of the housing through a fastener.

18. A rotor assembly according to claim 17, wherein the fastener is a clasp.

19. A rotor assembly according to claim 17, wherein the hub and the fastener are integrally formed by injection molding.

20. A rotor assembly according to claim 13, wherein the housing is made of metal.

21. A rotor assembly according to claim 13, wherein the hub is ring-shaped and has an opening and an arc or inclined leading edge for smoothly guiding an airflow passing through the rotor assembly.